

03601665 YOUNGER CREEK NEAR CRAIGFIELD, TN

LOCATION.--Lat 35°52'54", long 87°10'39", Williamson County, Hydrologic Unit 05130204, on left downstream side of the culvert on Lampley Road, 2.25 mi southeast of Craigfield, .2 mi upstream from confluence with Craig Branch.

DRAINAGE AREA.--1.90 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 2004 to September 2005.

GAGE.--Data collection platform and crest-stage gage.

REMARKS.--Records good, except for estimated daily discharges, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 319 ft³/s; maximum gage height, 5.36 ft, Aug. 30, 2005; minimum discharge, .48 ft³/s, Aug. 25, 2005.

EXTREMES FOR WATER YEAR 2004-2005.--

Water Year 2004: Maximum discharge, 6.9 ft³/s; Sept. 2; gage height, 3.71 ft; minimum daily discharge, .61 ft³/s, Sept. 22.

Water Year 2005: Maximum discharge, 319; Aug. 30; gage height, 5.36 ft; minimum daily discharge, .62 ft³/s, Aug. 12.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.79	1.3	8.9	2.9	3.1	4.2	19	4.7	1.6	0.93	0.78	1.4
2	0.88	1.2	4.0	3.3	3.4	4.0	14	3.5	2.0	0.95	0.83	1.2
3	0.82	1.2	2.8	3.2	3.3	3.9	9.9	2.9	1.7	0.91	0.78	1.0
4	0.78	1.2	2.2	3.3	3.2	3.8	7.9	2.6	1.5	0.88	0.71	0.94
5	0.71	1.1	2.2	3.4	3.2	3.8	6.7	2.4	1.4	0.93	0.71	0.89
6	0.83	1.1	3.6	4.1	3.2	3.8	11	2.2	1.5	0.88	0.69	0.87
7	0.88	1.1	4.1	20	3.5	4.1	22	2.1	1.4	0.93	0.67	0.84
8	0.90	0.99	8.1	16	3.9	4.0	15	2.0	1.3	0.88	0.66	0.80
9	0.92	0.98	25	8.0	3.8	3.8	11	1.9	1.3	0.88	0.67	0.83
10	0.92	0.98	9.8	5.9	3.5	3.7	8.9	1.8	1.3	0.88	0.70	0.82
11	0.88	1.2	6.0	5.6	3.4	3.7	7.2	1.8	1.6	1.4	0.67	0.78
12	1.5	1.1	4.8	5.0	3.3	3.7	6.6	1.8	3.3	0.98	0.62	0.76
13	1.1	1.0	4.1	10	4.1	3.8	6.0	1.7	2.0	1.1	0.63	0.74
14	1.0	0.98	3.6	9.1	4.4	3.7	5.4	2.4	1.7	1.8	0.65	0.71
15	1.0	0.98	3.3	6.5	4.3	3.6	5.1	2.0	1.5	1.7	0.94	1.0
16	0.98	0.98	3.2	5.2	4.0	3.9	4.8	1.7	1.4	1.4	0.96	0.77
17	0.98	0.98	3.1	4.5	3.6	3.7	4.7	1.7	1.3	1.2	1.4	e0.73
18	1.9	0.98	3.0	4.1	3.4	3.6	4.5	1.6	1.3	1.1	0.86	0.70
19	15	1.0	2.8	3.9	3.4	3.6	4.4	2.5	1.2	1.1	0.78	0.70
20	1.2	1.0	2.7	3.7	13	3.7	4.3	2.0	1.1	1.0	0.75	0.70
21	1.1	0.98	2.7	3.5	13	3.8	4.3	1.8	1.2	0.98	0.73	0.70
22	1.1	0.98	14	3.3	9.3	4.9	5.8	1.7	1.2	0.98	0.72	e0.70
23	1.2	1.5	19	3.1	6.7	8.3	4.5	1.6	1.2	0.94	0.70	0.70
24	1.1	7.6	6.6	3.0	5.5	6.2	4.3	1.5	1.1	0.87	0.69	0.71
25	1.1	2.4	4.8	2.9	4.7	5.7	4.2	1.5	1.1	0.85	0.70	1.0
26	1.3	1.8	4.1	2.9	4.5	5.2	4.3	1.5	1.0	0.85	0.87	0.88
27	1.4	2.0	3.5	2.7	4.4	5.8	4.1	1.5	1.1	0.88	0.83	0.77
28	1.5	1.9	3.3	2.7	4.8	9.5	4.5	1.4	1.1	0.88	0.88	0.76
29	1.4	1.9	3.1	3.6	---	8.6	5.1	1.4	e1.0	0.84	0.87	0.80
30	1.4	38	3.0	3.2	---	7.1	11	1.4	e0.98	0.79	35	0.79
31	1.3	---	3.1	3.1	---	6.2	---	1.3	---	0.80	1.9	---
TOTAL	47.87	80.41	211.4	161.7	133.9	147.4	230.5	61.9	42.38	31.49	59.35	24.99
MEAN	1.54	2.68	6.82	5.22	4.78	4.75	7.68	2.00	1.41	1.02	1.91	0.83
MAX	15	38	41	20	13	9.5	22	4.7	3.3	1.8	35	1.4
MIN	0.71	0.98	2.2	2.7	3.1	3.6	4.1	1.3	0.98	0.79	0.62	0.70
CFSM	0.81	1.41	3.59	2.75	2.52	2.50	4.04	1.05	0.74	0.53	1.01	0.44
IN.	0.94	1.57	4.14	3.17	2.62	2.89	4.51	1.21	0.83	0.62	1.16	0.49

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03601665 YOUNGER CREEK NEAR CRAIGFIELD, TN—Continued

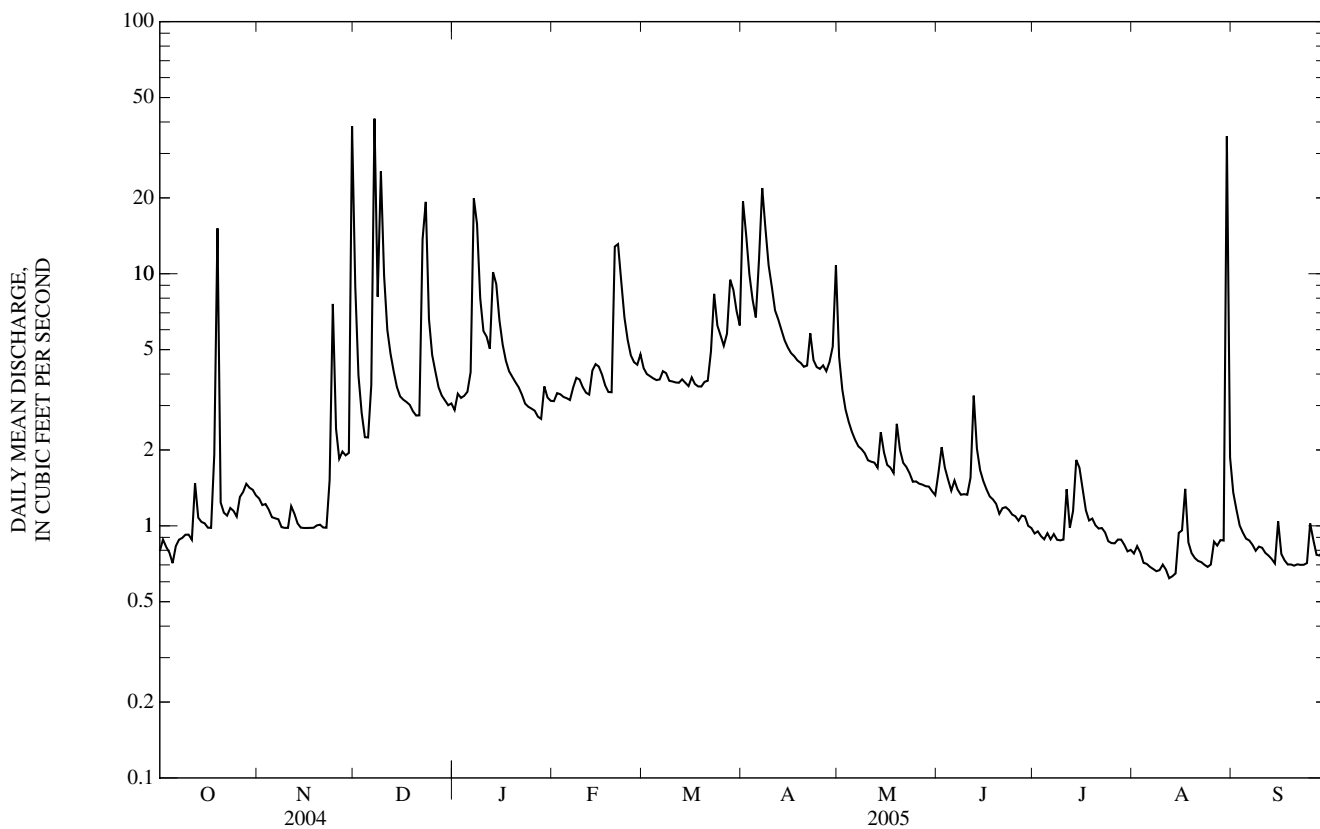
SUMMARY STATISTICS

FOR 2005 WATER YEAR

WATER YEARS 2004 - 2005

ANNUAL TOTAL	1,233.29		
ANNUAL MEAN	3.38		3.38
HIGHEST ANNUAL MEAN			3.38 2005
LOWEST ANNUAL MEAN			3.38 2005
HIGHEST DAILY MEAN	41	Dec 7	41 Dec 7, 2004
LOWEST DAILY MEAN	0.62	Aug 12	0.61 Sep 22, 2004
ANNUAL SEVEN-DAY MINIMUM	0.66	Aug 8	0.65 Sep 18, 2004
MAXIMUM PEAK FLOW	319	Aug 30	319 Aug 30, 2005
MAXIMUM PEAK STAGE	5.36	Aug 30	5.36 Aug 30, 2005
INSTANTANEOUS LOW FLOW	0.48	Aug 25	0.48 Aug 25, 2005
ANNUAL RUNOFF (CFSM)	1.78		1.78
ANNUAL RUNOFF (INCHES)	24.15		24.16
10 PERCENT EXCEEDS	6.6		6.6
50 PERCENT EXCEEDS	1.8		1.8
90 PERCENT EXCEEDS	0.78		0.78

e--Estimated



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